

CLAIMS

Now, therefore, the following is claimed:

- 1 1. An audio/video system for providing different combinations of audio and video
2 signals associated with an event, comprising:
3 an interface device configured to receive a plurality of video signals associated with said
4 event, said interface device configured to modulate said video signals and to transmit said
5 modulated video signals; and
6 a receiver configured to receive said modulated video signals and to receive modulated
7 audio signals, each of said modulated audio signals associated with said event, said receiver
8 configured to demodulate said modulated video and audio signals and to select one of said
9 video signals and one of said audio signals based on inputs from a user, said receiver including
10 a head mounted apparatus, said head mounted apparatus comprising:
11 a display device configured to receive said one video signal and to produce
12 images defined by said one video signal;
13 a head mount coupled to said display device such that said images are visible to
14 a user when said head mount is engaged with said user's head;
15 a first noise reduction device coupled to said head mount, said first noise
16 reduction device having a first recess and positioned such that said first noise reduction device
17 engages said user's head when said head mount is engaged with said user's head, said first
18 noise reduction device further positioned such that an ear of said user is located within said first
19 recess when said first noise reduction device engages said user's head;

a second noise reduction device coupled to said head mount, said second noise reduction device having a second recess and positioned such that said second noise reduction device engages said user's head when said head mount is engaged with said user's head, said second noise reduction device further positioned such that another ear of said user is located within said second recess when said second noise reduction device engages said user's head;

a first speaker coupled to said first noise reduction device and configured to produce sounds defined by said one audio signal; and

a strap coupled to said first and second noise reduction devices.

2. The system of claim 1, wherein said strap has an adjustable length.

3. The system of claim 1, further comprising a second speaker coupled to said second noise reduction device and configured to produce sounds defined by said one audio signal.

4. The system of claim 1, wherein:
said first noise reduction device includes a first slot adapted to receive said head mount, said first slot defined by a wall of said first noise reduction device, said wall of said first noise reduction device including a series of first notches, said head mount having a first ridge that is sequentially received by said first notches as said head mount passes through said first slot; and
said second noise reduction device includes a second slot adapted to receive said head mount, said second slot defined by a wall of said second noise reduction device, said wall of said second noise reduction device including a series of second notches, said head mount

9 having a second ridge that is sequentially received by said second notches as said head mount
10 passes through said second slot.

1 5. The system of claim 4, wherein said first ridge is formed on a flexible portion of
2 said head mount that deforms when said first ridge is sufficiently pressed against said wall of
3 said first noise reduction device, and wherein said second ridge is formed on a flexible portion
4 of said head mount that deforms when said second ridge is sufficiently pressed against said wall
5 of said second noise reduction device.

1 6. The system of claim 1, wherein said event is an auto race and said one video
2 signal defines an image produced by a camera positioned within a vehicle participating in said
3 auto race.

1 7. The system of claim 6, wherein said one audio signal defines a communication
2 by a driver of said vehicle.

8. An audio/video system for providing different combinations of audio and video signals associated with an event, comprising:

- a means for receiving audio and video signals associated with said event and for selecting one of said audio signals and one of said video signals based on inputs from a user;
- a video means for receiving said one video signal and for producing images defined by said one video signal;
- a head mount coupled to said video means such that said images are visible to a user when said head mount is engaged with said user's head;
- a first means for reducing external noise, said first reducing means coupled to said head mount;
- a second means for reducing external noise, said second reducing means coupled to said head mount;
- an audio means for receiving said one audio signal and for producing sounds defined by said one audio signal, said audio means coupled to said first reducing means; and
- a strap coupled to said first and second reducing means.

9. The system of claim 8, wherein said strap has an adjustable length.

10. The system of claim 8, wherein said first and second reducing means each include a recess, said apparatus further comprising a means for positioning said first and second reducing means such that said user's ears are respectively located in said recesses of said first and second reducing means.

11. The system of claim 8, wherein said event is an audio race and said one video signal defines an image produced by a camera positioned within a vehicle participating in said auto race.

12. A method, comprising the steps of:

providing a user with a head mounted apparatus, said head mounted apparatus including a display device, noise reduction devices, and a speaker, said speaker coupled to one of said noise reduction devices, each of said noise reduction devices having a recess;

generating a plurality of video signals and audio signals at an event, each of said video signals defining a different view of said event and each of said audio signals defining a different sound associated with said event;

transmitting said plurality of video and audio signals to a receiver;

selecting at said receiver one of said video signals and one of said audio signals;

transmitting said one video signal to said display device;

transmitting said one audio signal to said speaker; and

mounting said head mounted apparatus on said user's head, said mounting step including the steps of:

engaging said noise reduction devices with said user's head; and

positioning said noise reduction devices such that each ear of said user is respectively located in one of said recesses.



1 13. The method of claim 11, wherein said positioning step includes the step of
2 passing a ridge formed in said apparatus through a series of slots formed in said apparatus.

1 14. The method of claim 11, wherein each of said noise reduction devices includes a
2 slot defined by a wall having a series of notches, said positioning step including the step of
3 sliding a ridge of said head mounted apparatus through said slot such that said ridge is
4 sequentially received by said notches.

1 15. The method of claim 14, further comprising the step of deforming a portion of
2 said head mounted apparatus defining said ridge.

1 16. The method of claim 11, wherein said event occurs at a stadium attended by said
2 user during said event.

1 17. The method of claim 16, wherein said event is an auto race and wherein said
2 method further comprises the step of defining, via said one video signal, an in-car view from a
3 vehicle participating in said auto race.

1 18. The method of claim 17, further comprising the step of defining, via said one
2 audio signal, a communication by a driver of said vehicle.